

Rolling bearing used in cylinder rollers comprises an inner and an outer running ring each having a running path arranged opposite each other and arranged between rolling bodies

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Abstract of DE10145405

Rolling bearing comprises an inner and an outer running ring each having a running path arranged opposite each other and arranged between rolling bodies. The rolling bearings are in contact with the running paths so that the inner running ring moves in the peripheral direction toward the outer running ring. The running paths and the rolling bodies are made from an a-C: H material (amorphous hydrocarbon), so-called diamond like carbon, in surface regions in which the running paths are in contact with the rolling bodies. Preferred Features: The rolling bearing can be operated without using a lubricant. The rolling bodies and the running rings are completely made from an a-C: H material or each have a surface layer made from an a-C: H material.

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